

## EAST SEARCH

9/24/2006

L#	Hits	Search String	Databases
S8	1	S7 and (throttle near2 setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S2	34	S1 and (turbocharger with (turbine near2 stage))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S9	1	S7 and (throttle with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S10	4	S7 and (model\$3 with (turbocharger or (turbine near2 stage)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S7	113	S2 or S3 or S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S3	49	S1 and (turbocharger same (turbine near2 stage))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S6	113	S4 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S5	4854	S1 and (turbine near2 stage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S4	1861	S1 and (turbocharger)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S1	102852	gas turbine or "jet engine" or (locomotive near2 "diesel engine")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S11	118918	(gas near2 turbine) or (steam near2 turbine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S12	2968	S11 and turbocharger	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S13	6536	S11 and (turbine near2 stage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S14	148	S12 and S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S15	0	S14 and (throttle near2 setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S16	0	S14 and (throttle with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S17	6	S14 and (throttle with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S18	102879	gas turbine or "jet engine" or (locomotive near2 "diesel engine")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S19	34	S18 and (turbocharger with (turbine near2 stage))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S20	49	S18 and (turbocharger same (turbine near2 stage))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S27	150	S14 or S24	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S21	1861	S18 and (turbocharger)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S22	4854	S18 and (turbine near2 stage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S23	113	S21 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S24	113	S19 or S20 or S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S25	1	S24 and (throttle with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S26	6	S24 and (throttle with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S28	6	S27 and (model\$3 with (turbocharger or (turbine near2 stage)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S29	3	S27 and (model\$3 with (blade or (nozzle near2 vane) or vane))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S30	13	S27 and (rotation near2 speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S31	29	S27 and (excitation or vibration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S32	4	S27 and (natural near2 frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S35	0	S27 and (vane near2 vibration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S36	2	S27 and (fabricat\$3 with (turbine near2 stage))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S37	1	S27 and (harmonic with (excitation or vibration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S33	2	S27 and (vane near2 excitation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S34	3	S27 and (excitation near2 frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S38	4	S27 and (fabricat\$3 with turbocharger)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S39	13	S27 and (blade with (configuration or material or composition))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S40	14	S27 and (number with (vane or nozzle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S41	2	S27 and (prime near2 number)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB

S42	86	S17 or S19 or S20 or S25 or S26 or S28 or S29 or S30 or S31 or S32 or S33 or S34 or S36 c	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S44	7	S42 and (S28 or S29)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S43	6	S42 and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S45	13	S42 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S46	29	S42 and (S31 or S32 or S33 or S34 or S37)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S47	2	S42 and S41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S48	4	S42 and S38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S49	2	S42 and S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S50	26	S42 and (S39 or S40)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S51	96313	gas near2 turbine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S52	4971	S51 and (turbine near2 stage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S53	64	S52 and (throttle near2 (setting or position))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S54	20	S52 and (model\$3 with (turbine near2 stage))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S55	28	S52 and (model\$3 with (blade or (nozzle near2 vane) or vane))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S56	238	S52 and (rotation near2 speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S57	474	S52 and (excitation or vibration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S59	103	S52 and (vane or blade) with (vibration or excitation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S58	78	S52 and (natural or resonan\$2) near2 frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S60	154	S52 and (fabricat\$3 with ((turbine near2 stage) or turbine))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S61	6	S52 and (harmonic with (excitation or vibration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S63	483	S52 and (blade with (configuration or material or composition))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S64	219	S52 and (blade with configuration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S65	312	S52 and (blade with material)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S66	41	S52 and (blade with composition)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S67	341	S52 and (number with (vane or nozzle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S62	25	S52 and (excitation with frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S68	2	S52 and (prime near2 number)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S69	310	S53 or S54 or S55 or S58 or S59 or S61 or S62 or S66 or S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S70	1377	S56 or S57 or S60 or S64 or S65 or S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S71	210	S69 and S70	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S72	310	S69 or S71	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S73	96313	gas near2 turbine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S74	4971	S73 and (turbine near2 stage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S75	64	S74 and (throttle near2 (setting or position))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S76	20	S74 and (model\$3 with (turbine near2 stage))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S77	28	S74 and (model\$3 with (blade or (nozzle near2 vane) or vane))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S78	238	S74 and (rotation near2 speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S81	103	S74 and (vane or blade) with (vibration or excitation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S79	474	S74 and (excitation or vibration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S80	78	S74 and ((natural or resonan\$2) near2 frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S82	154	S74 and (fabricat\$3 with ((turbine near2 stage) or turbine))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S83	6	S74 and (harmonic with (excitation or vibration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S84	25	S74 and (excitation with frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S85	219	S74 and (blade with configuration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S86	312	S74 and (blade with material)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S87	41	S74 and (blade with composition)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S88	341	S74 and (number with (vane or nozzle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB

S89	2	S74 and (prime near2 number)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S91	1377	S78 or S79 or S82 or S85 or S86 or S88	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S92	210	S90 and S91	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S94	45	S93 and (S76 or S77)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S95	6	S93 and S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S96	2	S93 and S89	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S90	310	S75 or S76 or S77 or S80 or S81 or S83 or S84 or S87 or S89	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S93	310	S90 or S92	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S97	5	S74 and ((rotation near2 speed) with throttle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S98	4	S93 and S97	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S99	79	S73 and ((rotation near2 speed) with throttle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S101	3	S93 and ((diesel near2 engine) with turbocharger)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S102	10	S93 and ((combustion near2 engine) with turbocharger)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S100	16	S73 and ((rotation near2 speed) with (throttle near2 (position or setting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S103	12	S101 or S102	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB

10762396

James Heilenbach et al.

## EAST SEARCH

9/24/2006

### Results of search set S91:

Document Kind	Codes	Title	Issue Date	Current OR	Abstract
US	20060184255 A1	Adaptive sensor model	20060817	700/44	
US	20060180420 A1	Vibration dampers	20060817	188/378	
US	20060177314 A1	Turbine rotor blade and turbine	20060810	416/219R	
US	20060127221 A1	Turbine moving blade	20060615	416/222	
US	20060126902 A1	Surface roughness measuring method and apparatus and turbine deterioration diagnostic me	20060615	382/108	
US	20060118215 A1	Precipitation hardened martensitic stainless steel, manufacturing method therefor, and turbin	20060608	148/607	
US	20060104818 A1	Blade	20060518	416/232	
US	20060096455 A1	APPARATUS AND PROCESS FOR POWER RECOVERY	20060511	95/269	
US	20060086090 A1	Vibration limiter for coaxial shafts and compound turbocharger using same	20060427	60/612	
US	20060086078 A1	Universal Carnot propulsion systems for turbo rocketry	20060427	60/226.1	
US	20060081701 A1	Method and apparatus for verifying connectivity of an instrumentation system	20060420	235/380	
US	20060078422 A1	Method for modifying gas turbine nozzle area	20060413	415/191	
US	20060067830 A1	Method to restore an airfoil leading edge	20060330	416/229R	
US	20060030450 A1	Hybrid vehicle formed by converting a conventional IC engine powered vehicle and method o	20060209	477/3	
US	20050274112 A1	Fatigue failure diagnostic method of turbocharger and fatigue failure diagnostic apparatus for	20051215	60/602	
US	20050254940 A1	Blade arrangement	20051117	415/170.1	
US	20050196278 A1	Turbine blade arrangement	20050908	416/97R	
US	20050135932 A1	Turbine blade	20050908	219/121.64	
US	20050126182 A1	Hybrid microturbine for generating electricity	20050623	416/97R	
US	20050126171 A1	Uncoupled, thermal-compressor, gas-turbine engine	20050616	60/791	
US	20050111975 A1	Method for assembling gas turbine engine components	20050616	60/645	
US	20050110991 A1	Methods and apparatus for evaluating rotary machinery	20050526	416/96R	
US	20050103014 A1	Dual loop exhaust gas recirculation system for diesel engines and method of operation	20050526	356/318	
			20050519	60/605.2	

US 20050093214 A1	Spring mass damper system for turbine shrouds	20050505 267/136
US 20050084370 A1	Cooled turbine blade	20050421 416/95
US 20050074356 A1	Heat resisting steel, gas turbine using the steel, and components thereof	20050407 420/38
US 20050056313 A1	Method and apparatus for mixing fluids	20050317 137/3
US 20050042384 A1	Method of altering the frequency of blades for thermal fluid-flow machines	20050224 427/446
US 20050026095 A1	Multi-stage combustion using nitrogen-enriched air	20050203 431/2
US 20040225482 A1	Design and evaluation of actively cooled turbine components	20041111 703/2
US 20040219079 A1	Trifluid reactor	20041104 422/194
US 20040216458 A1	Electric motor assisted turbocharger	20041104 60/608
US 20040177618 A1	Methods for operating gas turbine engines	20040916 60/775
US 20040101402 A1	Turbine	20040527 415/160
US 20040093147 A1	Method and system for temperature estimation of gas turbine combustion cans	20040513 701/100
US 20040083731 A1	Uncoupled, thermal-compressor, gas-turbine engine	20040506 60/645
US 20040076540 A1	Welding material, gas turbine blade or nozzle and a method of repairing a gas turbine blade	20040422 420/450
US 20040069069 A1	Probe for measuring parameters of a flowing fluid and/or multiphase mixture	20040415 73/736
US 20040060298 A1	Dynamically uncoupled can combustor	20040401 60/772
US 20040025491 A1	Gas turbine set	20040212 60/39.182
US 20040020206 A1	HEAT ENERGY UTILIZATION SYSTEM	20040205 60/670
US 20030228225 A1	Turbine bucket	20031211 416/235
US 20030215330 A1	Turbines and their components	20031120 415/191
US 20030205042 A1	OVERTHRUST PROTECTION SYSTEM AND METHOD	20031106 60/204
US 20030194320 A1	Method of fabricating a shape memory alloy damped structure	20031016 416/96A
US 20030193331 A1	Method for in-situ eddy current inspection of coated components in turbine engines	20031016 324/240
US 20030156942 A1	Blades having coolant channels lined with a shape memory alloy and an associated fabric	20030821 416/96R
US 20030152879 A1	Multi-stage combustion using nitrogen-enriched air	20030814 431/8
US 20030084656 A1	Gas turbine set	20030508 60/39.5
US 20030083827 A1	Methods and systems for performing integrated analyses, such as integrated analyses for gas	20030501 702/34
US 20030082053 A1	Repair of advanced gas turbine blades	20030501 416/224
US 20030065436 A1	Gas turbine and operation method of gas turbine combined electric generating plant, gas turb	20030403 701/100
US 20030039542 A1	Transition piece side sealing element and turbine assembly containing such seal	20030227 415/135
US 20030036865 A1	Methods and systems for managing resources, such as engineering test resources	20030220 702/81
US 20030033813 A1	Cycle gas turbine engine	20030220 60/774
US 20030007866 A1	Shroud integral type moving blade and split ring of gas turbine	20030109 415/182.1
US 20030002975 A1	COMBUSTOR HOT STREAK ALIGNMENT FOR GAS TURBINE ENGINE	20030102 415/1
US 20030000221 A1	High pressure gas cycle and power plant	20030102 60/776
US 20020189229 A1	Gas turbine for power generation and combined power generation system	20021219 60/39.182
US 20020136638 A1	PRE-SEGMENTED SQUEALER TIP FOR TURBINE BLADES	20020926 416/223A
US 20020121414 A1	Friction vibration damper	20020905 188/268
US 20020100281 A1	Damper arrangement for reducing combustion-chamber pulsations	20020801 60/725
US 20020047071 A1	Lifting platform with energy recovery	20020425 244/199.1
US 20020046560 A1	High pressure gas cycle and power plant	20020425 60/39.39
US 20010040062 A1	Lifting platform	20011115 180/117
US 7104757 B2	Cooled turbine blade	20060912 416/97R
US 7064825 B2	Methods and apparatus for evaluating rotary machinery	20060620 356/318
US 7048782 B1	Apparatus and process for power recovery	20060523 95/269
US 7021896 B2	Turbine blade	20060404 416/97R
US 7021892 B2	Method for assembling gas turbine engine components	20060404 415/115
US 7003940 B2	System for control and regulation of the flame temperature for single-shaft gas turbines	20060228 60/39.25

US 6988365 B2	Dual loop exhaust gas recirculation system for diesel engines and method of operation	20060124 60/605.2
US 6972390 B2	Multi-laser beam welding high strength superalloys	20051206 219/121.64
US 6957541 B2	Gas turbine and operation method of gas turbine combined electric generating plant, gas turb	20051025 60/782
US 6952639 B2	Method and system for temperature estimation of gas turbine combustion cans	20051004 701/100
US 6942203 B2	Spring mass damper system for turbine shrouds	20050913 267/160
US 6935119 B2	Methods for operating gas turbine engines	20050830 60/775
US 6932565 B2	Turbine	20050823 415/119
US 6908288 B2	Repair of advanced gas turbine blades	20050621 416/224
US 6886622 B2	Method of fabricating a shape memory alloy damped structure	20050503 164/98
US 6866092 B1	Two-phase heat-transfer systems	20050315 165/104.21
US 6846160 B2	Turbine bucket	20050125 416/190
US 6840048 B2	Dynamically uncoupled can combustor	20050111 60/772
US 6804612 B2	Methods and systems for performing integrated analyzes, such as integrated analyzes for ga	20041012 702/34
US 6802695 B2	Turbines and their components	20041012 416/223R
US 6802405 B2	Friction vibration damper	20041012 188/268
US 6796123 B2	Uncoupled, thermal-compressor, gas-turbine engine	20040928 60/520
US 6790030 B2	Multi-stage combustion using nitrogen-enriched air	20040914 431/8
US 6739839 B1	First-stage high pressure turbine bucket airfoil	20040525 416/223A
US 6736596 B2	Shroud integral type moving blade and split ring of gas turbine	20040518 415/173.1
US 6707297 B2	Method for in-situ eddy current inspection of coated components in turbine engines	20040316 324/240
US 6701717 B2	Cycle gas turbine engine	20040309 60/792
US 6699015 B2	Blades having coolant channels lined with a shape memory alloy and an associated fabricatio	20040302 416/96A
US 6655126 B2	Overthrust protection system	20031202 60/243
US 6644032 B1	Transition duct with enhanced profile optimization	20031111 60/752
US 6644012 B2	Gas turbine set	20031111 60/39.182
US 6632299 B1	Nickel-base superalloy for high temperature, high strain application	20031014 148/428
US 6632069 B1	Step of pressure of the steam and gas turbine with universal belt	20031014 415/173.5
US 6630113 B1	Methods and apparatus for treating waste	20031007 422/199
US 6616094 B2	Lifting platform	20030909 244/12.1
US 6606612 B1	Method for constructing composite response surfaces by combining neural networks with othi	20030812 706/15
US 6579066 B1	Turbine bucket	20030617 416/243
US 6574966 B2	Gas turbine for power generation	20030610 60/806
US 6565680 B1	Superalloy weld composition and repaired turbine engine component	20030520 148/428
US 6554562 B2	Combustor hot streak alignment for gas turbine engine	20030429 415/1
US 6553752 B2	High pressure gas cycle and power plant	20030429 60/39.38
US 6547049 B1	Particle vibration damper	20030415 188/379
US 6546729 B2	Damper arrangement for reducing combustion-chamber pulsations	20030415 60/725
US 6546713 B1	Gas turbine for power generation, and combined power generation system	20030415 60/39.182
US 6542859 B1	Method for designing a cyclic symmetric structure	20030401 703/7
US 6481197 B2	High pressure gas cycle and power plant	20021119 60/39.39
US 6478537 B2	Pre-segmented squealer tip for turbine blades	20021112 415/173.1
US 6468367 B1	Superalloy weld composition and repaired turbine engine component	20021022 148/428
US 6464459 B2	Lifting platform with energy recovery	20021015 415/208.2
US 6454156 B1	Method for closing core printout holes in superalloy gas turbine blades	20020924 228/165
US 6379110 B1	Passively driven acoustic jet controlling boundary layers	20020430 415/119
US 6358004 B1	Steam turbine power-generation plant and steam turbine	20020319 415/200
US 6354799 B1	Superalloy weld composition and repaired turbine engine component	20020312 415/200
US 6305078 B1	Method of making a turbine blade	20011023 29/889.7

US 6302649 B1	Superalloy weld composition and repaired turbine engine component	20011016 415/200
US 6301872 B1	High pressure gas cycle and power plant	20011016 60/772
US 6231307 B1	Impingement cooled airfoil tip	20010515 416/97R
US 6224334 B1	Steam turbine, rotor shaft thereof, and heat resisting steel	20010501 415/199.5
US 6220086 B1	Method for ascertaining surge pressure ratio in compressors for turbines	20010424 73/118.2
US 6215678 B1	Arc plasma-joule heated melter system for waste treatment and resource recovery	20010410 363/126
US 6197424 B1	Use of high temperature insulation for ceramic matrix composites in gas turbines	20010306 428/402
US 6182439 B1	High and low pressure sides-integrating system turbine, long blades thereof and combined cyc	20010206 60/39.182
US 6167693 B1	High pressure gas cycle and powder plant	20010102 60/39.38
US 6164055 A	Dynamically uncoupled low nox combustor with axial fuel staging in premixers	20001226 60/776
US 6162014 A	Turbine spline seal and turbine assembly containing such spline seal	20001219 415/170.1
US 6160238 A	Tunable molten oxide pool assisted plasma-melter vitrification systems	20001212 219/121.37
US 6146098 A	Tip shroud for cooled blade of gas turbine	20001114 416/97R
US 6129514 A	Steam turbine power-generation plant and steam turbine	20001010 415/200
US 6092989 A	Compressor for turbine and gas turbine	20000725 415/200
US 6074169 A	High and low pressure sides-integrating steam turbine, long blades thereof and combined cyc	20000613 416/241R
US 6066825 A	Methods and apparatus for low NO <sub>x</sub> emissions during the production of electricity from v	20000523 219/121.36
US 6062026 A	Turbocharging systems for internal combustion engines	20000516 60/605.2
US 6055805 A	Active rotor stage vibration control	20000502 60/226.1
US 6037560 A	Enhanced tunable plasma-melter vitrification systems	20000314 219/121.37
US 6018471 A	Methods and apparatus for treating waste	20000125 363/126
US 5983624 A	Power plant having a U-shaped combustion chamber with first and second reflecting surfaces	19991116 60/39.77
US 5964091 A	Gas turbine combustor and gas turbine	19991012 60/752
US 5943866 A	Dynamically uncoupled low NO <sub>x</sub> combustor having multiple premixers with axial staging	19990831 60/737
US 5935718 A	Braze blocking insert for liquid phase brazing operation	19990810 428/577
US 5916382 A	High corrosion resistant high strength superalloy and gas turbine utilizing the alloy	19990629 148/404
US 5913184 A	Method and device for diagnosing and predicting the operational performance of a turbine pl	19990615 702/182
US 5908516 A	Titanium Aluminide alloys containing Boron, Chromium, Silicon and Tungsten	19990601 148/421
US 5906096 A	Compressor for turbine and gas turbine	19990525 60/805
US 5847353 A	Methods and apparatus for low NO <sub>x</sub> emissions during the production of electricity from v	19981208 219/121.36
US 5840434 A	Thermal stress relaxation type ceramic coated heat-resistant element and method for produci	19981124 428/689
US 5829955 A	Steam turbine	19981103 416/191
US 5811752 A	Enhanced tunable plasma-melter vitrification systems	19980922 219/121.37
US 5785492 A	Method and apparatus for sealing a gas turbine stator vane assembly	19980728 415/173.7
US 5760593 A	Gap measurement device	19980602 324/662
US 5756957 A	Tunable molten oxide pool assisted plasma-melter vitrification systems	19980526 588/311
US 5749220 A	Turbocharged RAM tornado engine with transmission and heat recovery system	19980512 60/805
US 5740668 A	High efficiency gas turbine	19980421 60/805
US 5739524 A	Dynamic distance and position sensor and method of measuring the distance and the positi	19980414 250/227.11
US 5644394 A	System for repairing damaged gas turbine engine airfoils	19970701 356/241.5
US 5630314 A	Thermal stress relaxation type ceramic coated heat-resistant element	19970520 60/39.182
US 5624235 A	Steam turbine, rotor shaft thereof, and heat resisting steel	19970429 416/241R
US 5620307 A	Laser shock peened gas turbine engine blade tip	19970415 416/241R
US 5612497 A	Adaptor for monitoring a pressure sensor to a gas turbine housing	19970318 737/56
US 5611670 A	Blade for gas turbine	19970318 416/241R
US 5603604 A	Method and apparatus for enhancing gas turbo machinery flow	19970218 415/208.1
US 5601402 A	Turbo machine shroud-to-rotor blade dynamic clearance control	19970211 415/173.2
US 5594665 A	Process and device for monitoring and for controlling of a compressor	19970114 700/301

US 5575145 A	Gas turbine repair	19951119 60772
US 5553501 A	Vibration testing on rotating machine components	19960910 73/662
US 5541857 A	Process and device for monitoring vibrational excitation of an axial compressor	19960730 700/280
US 5528903 A	Small gas turbine	19960625 60736
US 5518369 A	Gas turbine blade retention	19960521 416/193A
US 5511721 A	Braze blocking insert for liquid phase brazing operations	19960430 228/216
US 5507623 A	Alloy-coated gas turbine blade and manufacturing method thereof	19960416 416/241R
US 5487266 A	Combustion control for producing low NO sub.x emissions through use of flame spectroscopy	19960130 60776
US 5486091 A	Gas turbine airfoil clocking	19960123 415/194
US 5478207 A	Stable blade vibration damper for gas turbine engine	19951226 416/219R
US 5473882 A	Combustion apparatus for a gas turbine having separate combustion and vaporization zones	19951212 60776
US 5428953 A	Combined cycle gas turbine with high temperature alloy, monolithic compressor rotor	19950704 60/39.182
US 5385012 A	Bleed valve control	19950131 60779
US 5383768 A	Steam turbine, rotor shaft thereof, and heat resisting steel	19950124 416/241R
US 5379584 A	Synthesis of critical temperature of a turbine engine	19950110 60/204
US 5365787 A	Noninvasive method and apparatus for determining resonance information for rotating machinery	19941122 73/660
US 5360318 A	Compressor for gas turbine and gas turbine	19941101 415/216.1
US 5340276 A	Method and apparatus for enhancing gas turbo machinery flow	19940823 415/208.1
US 5338155 A	Multi-zone diffuser for turbomachine	19940816 415/211.2
US 5332358 A	Uncoupled seal support assembly	19940726 415/174.5
US 5321949 A	Staged fuel delivery system with secondary distribution valve	19940621 60739
US 5303684 A	Combustion control for producing low NO sub.x emissions through use of flame spectroscopy	19940419 123/435
US 5281097 A	Thermal control damper for turbine rotors	19940125 416/193A
US 5257496 A	Combustion control for producing low NO sub.x emissions through use of flame spectroscopy	19931102 60773
US 5228835 A	Gas turbine blade seal	19930720 416/193A
US 5226731 A	Apparatus for measuring rotor exhaust gas bulk temperature in a combustion turbine and method	19930713 374/124
US 5222742 A	Seal arrangement	19930629 277/420
US 5211540 A	Shrouded aerofoils	19930518 416/190
US 5201850 A	Rotor tip shroud damper including damper wires	19930413 416/190
US 5154583 A	Rotor of a pressure wave machine	19921013 417/64
US 5152172 A	Operating turbine resonant blade monitor	19921006 73/579
US 5116200 A	Apparatus and methods for minimizing vibrational stresses in axial flow turbines	19920526 415/183
US 5042245 A	Method and system for controlling variable compressor geometry	19910827 60773
US 5031313 A	Method of forming F.O.D.-resistant blade	19910716 29/889.1
US 4996880 A	Operating turbine resonant blade monitor	19910305 73/660
US 4968216 A	Two-stage fluid driven turbine	19901106 415/199.5
US 4961686 A	F.O.D.-resistant blade	19901009 416/223A
US 4872812 A	Turbine blade plateform sealing and vibration damping apparatus	19891010 416/190
US 4803639 A	X-ray inspection system	19890207 702/40
US 4744726 A	Turboboset with at least one low-pressure turbine stage having an outer housing and an inner housing	19880517 415/199.4
US 4710099 A	Multi-stage turbine	19871201 415/199.5
US 4677034 A	Coated superalloy gas turbine components	19870630 428/678
US 4662820 A	Turbine stage structure	19870505 415/173.6
US 4659289 A	Turbine side plate assembly	19870421 416/198A
US 4657476 A	Variable area turbine	19870414 415/48
US 4512718 A	Tandem fan stage for gas turbine engines	19850423 416/231B
US 4497613 A	Tapered core exit for gas turbine bucket	19850205 416/228
US 4447190 A	Fluid pressure control in a gas turbine engine	19840508 416/95

US 4425763 A	Coal-fired steam locomotive	19840117 60/693
US 4422333 A	Method and apparatus for detecting and identifying excessively vibrating blades of a turboma	19831227 73/660
US 4405659 A	Method for producing columnar grain ceramic thermal barrier coatings	19830920 427/248.1
US 4401697 A	Method for producing columnar grain ceramic thermal barrier coatings	19830830 427/250
US 4327294 A	Combined cycle electric power plant and a gas turbine having an improved overspeed protec	19820427 290/40C
US 4321311 A	Columnar grain ceramic thermal barrier coatings	19820323 428/623
US 4292807 A	Variable geometry turbosupercharger system for internal combustion engine	19811006 60/601
US 4282709 A	Gas turbine-transmission plant	19810811 60/39.163
US 4215412 A	Real time performance monitoring of gas turbine engines	19800729 701/100
US 4195231 A	Combined cycle electric power plant having an improved digital/analog hybrid gas turbine cor	19800325 290/40R
US 4190398 A	Gas turbine engine and means for cooling same	19800226 415/114
US 4190094 A	Rate controlled directional solidification method	19800226 164/122.1
US 4185455 A	Fuel pulsation-suppression for gas turbine combustion system	19800129 60/776
US 4177692 A	Shaft balancing	19791211 464/180
US 4177013 A	Compressor rotor stage	19791204 416/193A
US 4167096 A	Combined cycle electric power plant and a gas turbine having an improved overspeed protec	19790911 60/39.281
US 4144768 A	Apparatus for analyzing complex acoustic fields within a duct	19790320 73/646
US 4132816 A	Gas phase deposition of aluminum using a complex aluminum halide of an alkali metal or an	19790102 427/237
US 4122668 A	Iris control for gas turbine engine air brake	19781031 60/792
US 4112677 A	Thrust spoiler for turbofan engine	19780912 60/226.1
US 4111603 A	Ceramic rotor blade assembly for a gas turbine engine	19780905 416/95
US 4083648 A	Gas turbine construction	19780411 415/137
US 4059972 A	Turbine shaft balancing	19771129 464/23
US 4053227 A	Method and apparatus for automatic and contactless measurement of the height of moving bl	19771011 356/3.02
US 4045955 A	Regulating means for gas turbine plant	19770906 60/39.281
US 4034558 A	Cooling apparatus for split shaft gas turbine	19770712 60/791
US 4028884 A	Control apparatus for controlling the operation of a gas turbine inlet guide vane assembly anc	19770614 60/39.182
US 4011718 A	Gas turbine construction	19770315 60/796
US 3977184 A	Electric power plant having a gas turbine with an improved wide range surge protection syste	19760831 60/39.182
US 3976399 A	Rotor of disc construction for single-shaft gas turbine	19760824 416/201R
US 3974645 A	Control apparatus for matching the exhaust flow of a gas turbine employed in a combined cyc	19760817 60/794
US 3973391 A	Control apparatus for modulating the inlet guide vanes of a gas turbine employed in a combin	19760810 60/794
US 3965674 A	Combined cycle electric power plant and a gas turbine having a backup control system with a	19760629 60/39.182
US 3964342 A	Turbine shaft balancing	19760622 74/570.1
US 3955360 A	Integrated flow washboard turbine	19760511 60/804
US 3932056 A	Vane damping	19760113 415/209.4
US 3861150 A	LOW POLLUTION VAPOR ENGINE SYSTEMS	19750121 60/670
US 3850125 A	ICEBREAKING	19741126 114/40
US 3846065 A	VAPOR GENERATORS WITH LOW POLLUTANT EMISSION	19741105 431/347
US 3836156 A	ABLATIVE SEAL	19740917 277/415
US 3761200 A	BLADED ROTORS	19730925 416/220R
US 3751180 A	VANE RINGS	19730807 415/195
US 3739580 A	PROPULSION SYSTEM CONTROL	19730619 60/204
US 3726604 A	COOLED JET FLAP VANE	19730410 415/115
US 3651640 A	GAS TURBINE ENGINE WITH AERODYNAMIC TORQUE CONVERTER DRIVE	19720328 60/39.24
US 3598211 A	SPEED-RESPONSIVE CLUTCH	19710810 477/30
JP 2001329856 A	GAS TURBINE, ITS FATIGUE DIAGNOSTIC DEVICE, AND ITS FATIGUE DIAGNOSTIC ME	20011130
JP 11141307 A	CONTROL DEVICE FOR PREVENTING VIBRATION OF ROTOR STAGE OF GAS TURBINE	19990525



EP 1101947 A	Rub resistant compressor stage for gas turbine e.g. aircraft, has one of the lands of casing sti	20010523
JP 10331659 A	Gas turbine blade composition for combined cycle power plants - includes nickel group alloys	19981215
EP 676012 B	Anti-sound generators for multi-stage gas turbine blade cascades - has vibration isolated acc	19980422
DE 4209046 A	Small gas turbine for driving model aircraft - has compressor running wheel equipped with co	19930923
EP 475428 A	Large blades for power generation gas turbine - produced as single crystal nickel-base alloy	19920318
US 4512718 A	Tandem fan stage for gas turbine engine - has secondary fan blades coextensive with first ov	19850423
EP 62558 A	Wheel for gas turbine - has air passages between hub and blade roots for cooling	19821013
FR 2265990 A	Electronic fuel control system for gas turbine - controls fuel supply and degree of opening of t	19751128
US 3677746 A	HEAT TREATABLE ALLOY	19720718 148/410
US 3609968 A	SELF-ADJUSTING SEAL STRUCTURE	19711005 60/799
US 3546880 A	COMPRESSORS FOR GAS TURBINE ENGINES	19701215 60/792
US 3543873 A	TURBINE AND ELECTRIC POWERED VEHICLE	19701201 180/65.2
US 3504279 A	NONCONTACT INTERRUPTED SURFACE INSPECTION APPARATUS PROVIDING AN EL	19700331 324/662
US 3452782 A	FLUID DISCHARGE CASING	19690701 138/37
US 3421317 A	ELECTRICAL CONTROL SYSTEMS FOR ENGINES	19690114 60/39.281
US 3417564 A	Jet engine with relatively rotatable combustion means, intake manifold and exhaust manifold	19681224 60/39.34
US 3300966 A	Control mechanism for adjustable gas turbine nozzle	19670131 60/791
US 3183667 A	Fuel control system for a gas turbine engine	19650518 60/39.281
US 3169747 A	Rotary bladed power conversion machines	19650216 415/195
US 3137134 A	Combined gas-steam cycle installations for boilers incorporating pressurised furnaces	19640616 60/39.182
US 3127129 A	OCR SCANNED DOCUMENT	19640331 244/23B
US 3106062 A	Torque and power sensing and control system for gas turbine engines	19631008 60/791
US 3095030 A	Hydro-mechanical governor	19630625 60/243
US 3093968 A	Method and apparatus for augmenting the drive of a gas turbine	19630618 60/39.21
US 3056454 A	Fuel systems for propeller-driving gas turbine engines	19621002 416/29
US 3048014 A	Combustion chamber for jets and similar engines	19620807 60/39.23
US 3044262 A	Control mechanism for adjustable gas turbine nozzle	19620717 60/791
US 3018623 A	Explosion gas turbines	19620130 60/804
US 2948506 A	Damping turbine buckets	19600809 415/191
US 2943839 A	Elastic fluid mechanism	19600705 415/192
US 2926494 A	Fuel control system	19600301 60/39.281
US 2857132 A	Turbine wheel	19581021 416/92
US 2743578 A	Turbojet engine control system	19560501 60/39.281
US 2709893 A	Gas turbine power plant with heat exchanger and cooling means	19550607 60/39.511
US 2700872 A	Fuel control apparatus for internal combustion engines	19550201 60/39.281
US 2697908 A	System for accelerating engines to selected speeds and maintaining the speed selected	19541228 60/39.281
US 2668006 A	Turbocharger	19540202 416/171
US 2618431 A	Control system for gas turbine air compressor plants	19521118 417/28
US 2617253 A	Safety control system for cooling a gas turbine power plant on shutdown	19521111 60/39.091
US 2575237 A	Multistage bladed rotor	19511113 416/201R
US 2565324 A	Gas turbine with throttling air turbine in compressor intake	19510821 60/795
US 2559623 A	Turbo-supercharger system having controlled inlet and exhaust waste gates	19510710 417/29
US 2540991 A	Gas reaction aircraft power plant	19510206 244/209
US 2500234 A	Compressor surge control for exhaust turbine driven superchargers	19500314 60/600
US 2410588 A	Turbine blade and assembly thereof	19461105 415/173.6
US 2409446 A	Airplane power plant	19461015 416/33



turbine turbocharger vibration "natural frequen

Search

[Advanced Scholar Search](#)  
[Scholar Preferences](#)  
[Scholar Help](#)

**Scholar** [All articles](#) [Recent articles](#) Results 1 - 10 of about 25 for **turbine turbocharger vibration "natural**

**All Results**[S Tanaka](#)[K Isomura](#)[S Togo](#)[M Esashi](#)[A Giampaolo](#)

(1) Application of Lund's Stability Analysis Program in Design of Modern Turbomachinery - group of 3 »

P De Choudhury - Journal of **Vibration** and Acoustics, 2003 - link.aip.org *order*

... discussed rotor dynamic upgrade of a **turbo charger** used on ... The total weight of the **turbocharger** was increased ... and increased journal diameter at the **turbine** end ...

[Cited by 1](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Turbo test rig with hydroinertia air bearings for a palmtop gas turbine - group of 5 »

S Tanaka, K Isomura, S Togo, M Esashi - Journal of Micromechanics and Microengineering, 2004 - iop.org

... cavities on a bearing surface, the **vibration** of a ... Esashi M 2003 Development of micro-**turbo charger** and micro ... studies of three-dimensional gas **turbine** at micro ...

[Cited by 8](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Holographic vibration analysis of turbocharger turbine wheel: Instruction for use and benefit

C JEAN-PIERRE, T DENIS - SPIE proceedings series - cat.inist.fr

Holographic **vibration** analysis of **turbocharger turbine** wheel: Instruction for use and benefit. Chambard JEAN-PIERRE, Thouvenin DENIS ...

[Web Search](#)

(15) Blade-Strength Assessment of a Marine Turbocharger under Development

F IWAKI, K MITSUBORI, H TAGUCHI, M OBATA, R Andrew - nippon.zaidan.info

... In this case, the natural **vibration** frequency is 5715 ... of excitation at maximum rotation of the **turbocharger**. For the **turbine** blades as compressor blades, the ...

[Related Articles](#) - [View as HTML](#) - [Web Search](#)

Dr. Max Bentele—Pioneer of the Jet Age

CBMHF ASME, P Engineer, EPC Engineer, CBMHF ASME, ... - Journal of Engineering for Gas Turbines and Power, 2005 - link.aip.org

... The Protection of Steam-Turbine Disk Wheels from Axial **Vibration**. ... of excitation for different orders (60/40 admission **turbine**). Cracked **turbocharger** blade. ...

[Related Articles](#) - [Web Search](#)

Rotordynamic Stability Case Studies - group of 5 »

PD Choudhury - The International Journal of Rotating Machinery, 2004 - Taylor & Francis

... ing in subsynchronous **vibration** of a high-speed **turbo- charger**. ... The total weight of the **turbocharger** was increased ... increased journal diameter at the **turbine** end ...

[Related Articles](#) - [Web Search](#)

Investigation of the failure of the L-0 blades

Z Mazur, A Hernández-Rossette, R García-Illescas - Engineering Failure Analysis, 2006 - Elsevier

... operational parameters, blade **natural frequency** and fracture ... On forced **vibration** of shrouded **turbine** ... analysis of axial **turbocharger turbine** blades, transaction ...

[Related Articles](#) - [Web Search](#)

Hydrostatic Gas Journal Bearings for Micro-Turbomachinery - group of 2 »  
LX Liu, CJ Teo, AH Epstein, ZS Spakovszky - Journal of **Vibration** and Acoustics, 2005 -  
link.aip.org  
... SavoulidesN., 2004, Development of a MEMS **Turbocharger** and Gas **Turbine** Engine,  
PhD  
thesis, Department of ... Personal communication, MIT Gas **Turbine** Laboratory. ...  
[Cited by 3](#) - [Related Articles](#) - [Web Search](#)

(16)

Reduction of Vibratory Stress of Compressor Blade by Use of Asymmetric  
Vane Spacing  
Y KANEKO, M Kazushi, O Hidetaka, TM Works - nippon.zaidan.info  
... vane count, and if the **natural frequency** of the ... Proceedings of the International  
Gas **Turbine** Congress 2003 ... used to represent the **vibration** characteristics of ...  
[Related Articles](#) - [View as HTML](#) - [Web Search](#)

Gas Foil Bearings for Space Propulsion Nuclear Electric Power Generation  
SA Howard, C DellaCorte - gltrs.grc.nasa.gov  
... the major rotating components: alternator, compressor, and **turbine**. ... to develop an  
Oil-Free **Turbocharger** using the ... system and cause catastrophic **vibration** levels ...  
[Related Articles](#) - [View as HTML](#) - [Web Search](#)

Google ►

Result Page: 1 2 3 **Next** [Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2006 Google



turbine turbocharger vibration "natural frequen

Search

[Advanced Scholar Search](#)  
[Scholar Preferences](#)  
[Scholar Help](#)
**Scholar** [All articles](#) [Recent articles](#) Results 11 - 20 of about 25 for turbine turbocharger vibration "natura

## All Results

[S Tanaka](#)[K Isomura](#)[S Togo](#)[M Esashi](#)[A Giampaolo](#)**Modeling and Simulation of an M1 Abrams Tank with Advanced Track****Dynamics and Integrated Virtual ... - group of 2 »**DN Assanis, W Bryzik, MP Castanier, IM Darnell, ZS ... - Mechanics of Structures and Machines, 1999 - [engin.umich.edu](#)

... tool to investigate the possible replacement of the current gas turbine engines used ... vehicle models for the efficient prediction of track vibration, engine per ...

[Cited by 4](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)**Turbocharger aerodynamic design - group of 4 »**D Flaxington, E Swain - Proceedings of the Institution of Mechanical Engineers, Part ... 1999 - [journals.pepublishing.com](#)

... an integral two-stage turbo- charger is rarely ... As a balancing advantage for turbocharger

applications, vaneless ... tia since the turbine inertia will typically be ...

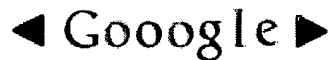
[Web Search](#) - [BL Direct](#)**book Gas Turbine Handbook**A Giampaolo, T Giampaolo, G Tony - 2003 - [books.google.com](#)... 105 1. **Vibration** 105 2. **Vibration** Measurement 107 3. Exhaust Gas Temperature ... Lemale**Gas Turbine** 1902 Stanford A. Moss, USA **Turbo-Charger/Gas Turbine** 1903 A ...[Cited by 5](#) - [Related Articles](#) - [Web Search](#) - [Library Search](#)**NOISE AND VIBRATION CONTROL - group of 2 »**A TM - [pdhcenter.com](#)... Schedule for Estimating Relative **Vibration** Isolation Effectiveness of a ... Adjustments (in dB) for **Turbocharger** Air Inlet ... Components of Gas **Turbine** Engines having ...[Related Articles](#) - [View as HTML](#) - [Web Search](#)**DECISIVE FACTORS IN ADVANCED CENTRIFUGAL COMPRESSOR DESIGN AND DEVELOPMENT**D Japikse - Proceedings of IMechE International Mechanical Engineering ..., 2000 - [conceptseti.com](#)

... exchangers can fail due to vibration or contamination ... which shows the life, stress, and a natural frequency. ... Figure 12 which shows a turbocharger which recently ...

[Cited by 1](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)**Turbomachines (LTT)**ETH LAUSANNE - [littwww.epfl.ch](#)... the second stand to model the forced vibration of a ... is equipped with a small Gas **Turbine** (JPX Turborec T240) primarily designed as a turbocharger and modified ...[Related Articles](#) - [View as HTML](#) - [Web Search](#)**SURGE LAB**TH Fransson - [energy.kth.se](#)

... 1 is a sketch of how the turbo charger is plumed ... The air from the turbine is expelled to the exhaust ... Figure 14: Overall turbocharger test facility ( side view) ...

[Related Articles](#) - [View as HTML](#) - [Web Search](#)

[The Ship Power Supplier - group of 2 »](#)DP Kleimola, T Kreutzman, M Holmlund-Sund - [wartsila.com](http://wartsila.com)... The centre casing also divides the length of the deck beams on the cargo deck and reduces the **vibration** level on the passenger decks above. ...[Related Articles](#) - [View as HTML](#) - [Web Search](#)[Structures and acoustics division 1996 annual report - group of 3 »](#)CS Acquaviva - NASA. Technical Memorandum(USA), 1999 - [gltrs.grc.nasa.gov](http://gltrs.grc.nasa.gov)... 23 High-Temperature Magnetic Bearings for Gas **Turbine** Engines. ... for improving the performance of aircraft engines through various **vibration** suppression, noise ...[View as HTML](#) - [Web Search](#)[\[book\] Practical Balancing of Rotating Machinery](#)D Norfield - 2006 - [books.google.com](http://books.google.com)... a steam **turbine** you might have just burnt your hand ! If there is a bearing that is dying you might not sense the high frequency but low amplitude **vibration**. ...[Web Search](#) - [Library Search](#)Result Page: [Previous](#) [1](#) [2](#) [3](#) [Next](#) [Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2006 Google



turbine turbocharger vibration "natural frequen

Search

[Advanced Scholar Search](#)  
[Scholar Preferences](#)  
[Scholar Help](#)
**Scholar** [All articles](#) [Recent articles](#) Results 21 - 25 of 25 for turbine turbocharger vibration "natural frequ
**All Results**[S Tanaka](#)[K Isomura](#)[S Togo](#)[M Esashi](#)[A Giampaolo](#)[\[book\] Diesel Engines](#)

AJ Wharton, AJ Wharton - 1991 - books.google.com

... A compressed air jet system can accelerate the **turbocharger** in an emergency. ...

Flexible

couplings and torsional **vibration** dampers are fitted at the couplings ...[Cited by 3](#) - [Related Articles](#) - [Web Search](#) - [Library Search](#)[CITY OF TACOMA STANDARD SPECIFICATIONS-LARGE STATION NON-PIPING LIST OF SPECIFICATION SECTIONS - group of 2 »](#)

W PUMPS, C PUMPS - govme.cityoftacoma.org

... 11005 MACHINE ALIGNMENT 11010 EQUIPMENT CONTROL DEVICES 11021

**VIBRATION ISOLATION**SYSTEMS 11050 ... SET, 150 KW AND LARGER 11328 REGENERATIVE **TURBINE**

PUMPS 11333 ...

[Web Search](#)[\[book\] Automotive Electronics Handbook](#)

RK Jurgen - 1999 - books.google.com

Page 1. McGraw-Hill NETWORKING WIRELESS PROFESSIONAL NETWORK

COEXISTENCE Illustrates

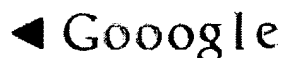
how implementing wireless solutions can save time and money ...

[Cited by 33](#) - [Related Articles](#) - [Web Search](#) - [Library Search](#)[\[book\] Design Techniques for Engine Manifolds: Wave Action Methods for Ic Engines](#)

RJ Pearson - 1999 - books.google.com

... 3.2.2 Racing engines 3.3 Performance of **turbocharger** turbines 3.3.1 Steady flow characteristics 3.3.2 Calculation of **turbocharger turbine** performance under ...[Related Articles](#) - [Web Search](#)[\[book\] Dictionary of Mechanical Engineering](#)

GHF Nayler - 1996 - Butterworth-Heinemann

[Web Search](#) - [Library Search](#)Result Page: [Previous](#) [1](#) [2](#) [3](#)

turbine turbocharger vibration "natur

Search

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2006 Google